

12129

Diag. Cht. No. 77-6.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline

Field No. Ph-5901 Office No. T-12129

LOCALITY

State Virginia

General locality Potomac River

Locality Upper Machodoc Creek

1958-59

CHIEF OF PARTY

G.F.Wirth, Photo Party 723
W.E.Randall, Baltimore District Off.

LIBRARY & ARCHIVES

DATE April 1964

USCOMM-DC 5087

12129

T-12129

COMPILED RECORD	COMPLETION DATE	REMARKS
Shoreline delineation only - no field inspection	4/4/62	Copies for 1962 hydro support party

FORM C&GS-181a
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 12129

PROJECT NO. (II):

Ph-5901

FIELD OFFICE (II):

Dahlgren, Virginia

CHIEF OF PARTY

G. E. Wirth

PHOTOGRAMMETRIC OFFICE (III):

Baltimore, Maryland

OFFICER-IN-CHARGE

William E. Randall

INSTRUCTIONS DATED (II) (III):

January 28, 1959

Letter from Assistant Director dated 5/15/59
" " " " " 6/29/59

METHOD OF COMPILATION (III):

Graphic

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

MEAN SEA LEVEL EXCEPT AS FOLLOWS:

Elevations shown as (25) refer to mean high water

Elevations shown as (5) refer to sounding datum

i.e., mean low water or mean lower low water

REFERENCE STATION (III):

ROLLINS (KB) 1954

LAT.:

LONG.:

☐ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

STATE

ZONE

y = 168,182.82 ft.

x = 781,094.65 ft.

Virginia

North

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE,
OR (IV) WASHINGTON OFFICE.

WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

FORM C&GS-181b
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): None W. E. Randall None		DATE: Sept 1960
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): 1958 and 1959 Office Photographs - Office interpretation.		
PROJECTION AND GRIDS RULED BY (IV): A.R.		DATE 3/19/62
PROJECTION AND GRIDS CHECKED BY (IV): A.R.		DATE 3/21/62
CONTROL PLOTTED BY (III): J. Steinberg		DATE 7/6/60
CONTROL CHECKED BY (III): R. Glaser		DATE 7/6/60
RADIAL PLOT OF STEREOSCOPIC PHOTOGRAPH EXPOSITION BY (III): L. A. Senasack		DATE 10/11/60
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): R. M. Whitson		DATE 3/29/62
SCRIBING BY (III): R. M. Whitson		DATE 6/28/62
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): R. Glaser		DATE 4/4/62
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

U.S.C. & G. S. "W" and nine-lens cameras

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
59-W-9556 and 9557	10/5/59	1328	1:10,000	0.8' ft above MLW
57338 to 57340	5/23/58	1245	"	0.1' ft above MLW

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: Washington, D. C.		2.9'	3.3'
SUBORDINATE STATION: Dahlgren, Upper Machodoc Creek	0.55	1.6	1.8
SUBORDINATE STATION:			

~~WASHINGTON~~ ^{FINAL} OFFICE REVIEW BY (IV): BALTO. DISTRICT OFFICE - R. Glaser

DATE: 4/23/63

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III):

1

RECOVERED:

1

IDENTIFIED:

1

NUMBER OF BM(S) SEARCHED FOR (II):

None

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):

None

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): None

REMARKS:

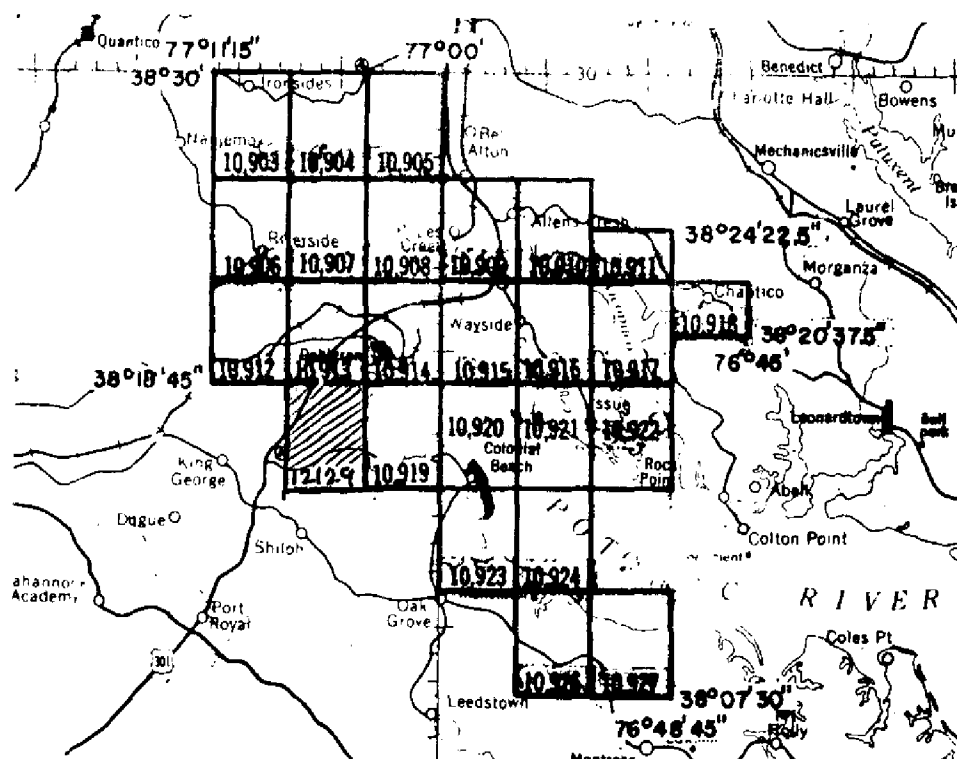
PROJECT PH-5901

S.

Planimetric Mapping Scale 1:10,000

Potomac River Va Md

Maryland Point to Wicomico River



Official Mileage for Cost Accounts

Sheet Number	Area Sq. Mi.	Lin. Mi. Shoreline	Sheet Number	Area Sq. Mi.	Lin. Mi. Shoreline
10903	13	14	10915	6	7
10904	13	9	10916	14	7
10905	11	14	10917	7	16
10906	12	9	10918	7	2
10907	3	9	10919	12	12
10908	4	5	10920	2	4
10909	13	3	10921	5	12
10910	12	11	10922	6	20
10911	7	2	10923	9	17
10912	10	7	10924	2	4
10913	13	9	10925	14	5
10914	10	13	10926	10	3
			10927		

TOTALS--- Area 215 Sq. Mi. Shoreline 21. Mi.

Summary to Accompany Descriptive Report

T-12129

Shoreline manuscript T-12129 is part of Project Ph-5901 which consists of twenty-four planimetric maps and this shoreline survey. This map covers the most westerly portions of Upper Machodoc Creek, a winding tributary which flows into the Potomac River from Virginia. This is a graphically compiled project at a scale of 1:10,000 in advance of hydrographic surveys to be made in the area. This survey was not originally planned as a part of this project; it was therefore necessary to extend control from surveys to the north and east onto the edges of the 9-lens photographs of May 1958 which reached into the required area. The area was also partly covered by single-lens "W" photography of October 1959. The manuscripts to the north and east were controlled by radial plot using Stereoplanigraph bridge points to supplement field identified control. The field operations did not cover this survey; consequently, the compilation was accomplished by office interpretation of the photographs. The manuscript is a vinylite sheet 3-3/4' x 3-3/4' which was scribed and reproduced on cronaflex film following photogrammetric office review. The registered copy under T-12129 will consist of a cronar film positive and a cronar film negative.

MAP T. 12129.

PROJECT NO. Ph-5901

SCALE OF MAP..... 1:10,000

SCALE FACTOR 1.000

[illegible]

1 FT. = 3048006 METER

COMPUTED BY: J. Steinberg

DATE 6/27/60

CHECKED BY: H. R. Rudolph

DATE 6/29/60

COMM-DC-57843

COMPILATION REPORT

T-12129

The photogrammetric plot report covering the area of this survey is part of Descriptive Report T-10926 and T-10927.

There was no field inspection for this survey.

31. DELINEATION

This manuscript was delineated by the graphic method.

32. CONTROL

This survey was not originally planned as a part of this project; however, horizontal control was extended from surveys to the north and east to adequately control the delineated portion of this manuscript.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Contours: Not applicable.

Drainage: No comment.

35. SHORELINE AND ALONGSHORE DETAILS

All shoreline and alongshore details were delineated by office interpretation of the photographs.

36. OFFSHORE DETAILS

None.

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junction has been made and is in agreement between this survey and T-10913 to the north and T-10919 to the east.

There are no contemporary surveys to the south and west.

40. HORIZONTAL AND VERTICAL ACCURACY

No comment.

41. thru 45. Not needed.

46. COMPARISON WITH EXISTING MAPS

The shoreline area of T-12129 was compared with the U.S.G.S. Dahlgren, Va.,-Md. quadrangle, dated 1955, scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS

Chart 556, scale 1:20,000, published April 1948 (2nd edition) revised 12/12/60.

Items to be applied to nautical charts immediately: None.

Items to be carried forward: None.

Respectfully submitted

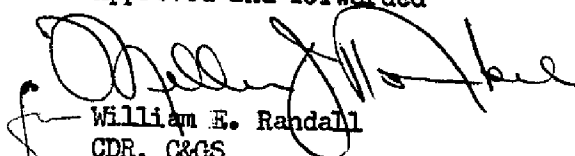
April 4, 1962



R. Glaser

Carto. (Photo.)

Approved and forwarded



William E. Randall
CDR, C&GS

Baltimore District Officer

50.

PHOTOGRAMMETRIC OFFICE REVIEW

T. 12129

1. Projection and grids ☒ 2. Title ☒ 3. Manuscript numbers ☒ 4. Manuscript size ☒

CONTROL STATIONS

4a. Classification label ☒

5. Horizontal control stations of third-order or higher accuracy ☒ 6. Recoverable horizontal stations of less than third-order accuracy (topographic stations) ☒ 7. Photo hydro stations ☒ 8. Bench marks ☒ 9. Plotting of sextant fixes ☒ 10. Photogrammetric plot report ☒ 11. Detail points ☒

ALONGSHORE AREAS

(Nautical Chart Data)

12. Shoreline ☒ 13. Low-water line ☒ 14. Rocks, shoals, etc. ☒ 15. Bridges ☒ 16. Aids to navigation ☒ 17. Landmarks ☒ 18. Other alongshore physical features ☒ 19. Other along-shore cultural features ☒

PHYSICAL FEATURES

20. Water features ☒ 21. Natural ground cover ☒ 22. Planetable contours ☒ 23. Stereoscopic instrument contours ☒ 24. Contours in general ☒ 25. Spot elevations ☒ 26. Other physical features ☒

CULTURAL FEATURES

27. Roads ☒ 28. Buildings ☒ 29. Railroads ☒ 30. Other cultural features ☒

BOUNDARIES

31. Boundary lines ☒ 32. Public land lines ☒

MISCELLANEOUS

33. Geographic names ☒ 34. Junctions ☒ 35. Legibility of the manuscript ☒ 36. Discrepancy overlay ☒ 37. Descriptive Report ☒ 38. Field inspection photographs ☒ 39. Forms ☒

40. R. Glaser
Reviewer

Joseph Steinberg
Supervisor, Review Section of Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

Compiler

Supervisor

43. Remarks:

Review Report T-12129

Shoreline

April 19, 1963

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

8541 1:20,000 1942, 1943

T-12129 supersedes the above prior survey for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

U.S.G.S. Dahlgren, Va., Md. 1:24,000 1955

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

H-8703 1:10,000 1961 (Boat sheet)

The boat sheet covers only a portion of that part of Upper Machodoc Creek which is delineated on the manuscript.

In the area common to the boat sheet and the manuscript, some differences exist between them ~~in them~~ in the representation of the shoreline. The manuscript is more detailed and reflects more accurately the shoreline as shown on nine-lens photographs 57338, 57339 and 57340.

65. COMPARISON WITH NAUTICAL CHARTS

556 1:20,000 2nd Ed. 4/19/48. Rev. 12/12/60

The chart and the manuscript are in good agreement.


66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standards of Map Accuracy.

Reviewed by


R. Glaser

Approved by


Baltimore District Officer

Approved by

L. C. Lande
Chief, Review Section

J. E. Waugh 4/7/64
Chief, Photogrammetry Division

48. Geographic Name List

Long Point

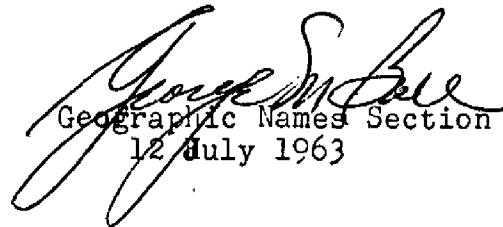
Milford Landing

Poplar Neck Creek

Rollins Landing

Upper Machodoc Creek

Wood Island


Geographic Names Section
12 July 1963

